

FORM PTO-1390
(REV. 02-2005)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

0033-0999PUS1

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/532826

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/JP2003/003548	March 24, 2003	October 31, 2002
TITLE OF INVENTION REGENERATOR, METHOD AND APPARATUS FOR MANUFACTURING REGENERATOR AND STIRLING REFRIGERATOR		
APPLICANT(S) FOR DO/EO/US Hiroyuki KATAYAMA and Yoshiaki OGURA		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not transmitted by the International Bureau).
 - b. has been communicated by the International Bureau. WO 2004/040206
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4)
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
 - a. is attached hereto.
 - b. has been submitted to the Internal Bureau (See Box VIII-4-1 of the Request (PCT/R0/101), **copy attached**).
The Power of Attorney or Authorization of Agent and Certificate under 37 CFR 3.73(b) Showing Chain of Title are: attached hereto. will follow.
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 20. below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98, Form PTO-1449(s), and International Search Report (PCT/ISA/210) with 5 cited document(s).
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 C.F.R. 1.76
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information:
PCT/ISA/210; PCT/IPEA/409; PCT/IB/301; PCT/IB/332; PCT/IB/346; PCT/IB/304; PCT/IB/308 & Nineteen (19) Sheets of Formal Drawings

U.S. APPLICATION NO (if known, see 37 CFR 1.5) 10/532826		INTERNATIONAL APPLICATION NO PCT/JP2003/003548		ATTORNEY'S DOCKET NUMBER 0033-0999PUS1																														
<p>The following fees are submitted:</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee</td> <td>\$300.00</td> <td>\$</td> <td>300.00</td> <td></td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$100.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$200.00</td> <td>\$</td> <td>200.00</td> <td></td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....</td> <td>\$100.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>International Search Report prepared and provided to the Office</td> <td>\$400.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$500.00</td> <td>\$</td> <td>500.00</td> <td></td> </tr> </table>					21. <input checked="" type="checkbox"/> Basic national fee	\$300.00	\$	300.00		22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100.00				All other situations	\$200.00	\$	200.00		23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....	\$100.00				International Search Report prepared and provided to the Office	\$400.00				All other situations	\$500.00	\$	500.00	
21. <input checked="" type="checkbox"/> Basic national fee	\$300.00	\$	300.00																															
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100.00																																	
All other situations	\$200.00	\$	200.00																															
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....	\$100.00																																	
International Search Report prepared and provided to the Office	\$400.00																																	
All other situations	\$500.00	\$	500.00																															
TOTAL OF 21, 22 AND 23 =				\$ 1000.00																														
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.																																		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																															
60 - 100 =	0 / 50 =	0	x \$250.00	\$																														
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																																		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																															
Total Claims	7 - 20 =	0	x \$50.00	\$																														
Independent Claims	7 - 3 =	4	x \$200.00	\$ 800.00																														
MULTIPLE DEPENDENT CLAIM(S) (if applicable) <input type="checkbox"/>			+ \$360.00	\$																														
TOTAL OF ABOVE CALCULATIONS =				\$ 1800.00																														
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. § 1.27. The fees indicated above are reduced by 1/2.																																		
SUBTOTAL =				\$ 1800.00																														
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(i)).																																		
TOTAL NATIONAL FEE =				\$ 1800.00																														
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																																		
TOTAL FEES ENCLOSED =				\$ 1840.00																														
				Amount to be: Refunded: \$																														
				Amount to be charged: \$ 1840.00																														
a. <input checked="" type="checkbox"/> A check in the amount of \$1,840.00 to cover the above fees is enclosed.																																		
b. <input type="checkbox"/> Please charge my Deposit Account No. 02-2448 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.																																		
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees that may be required, or credit any overpayment to Deposit Account No. 02-2448.																																		
NOTE: Where an appropriate time limit under 37 C.F.R. § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																																		
Send all correspondence to: Birch, Stewart, Kolasch & Birch, LLP or Customer No. 02292 P.O. Box 747 Falls Church, VA 22040-0747 (703) 205-8000																																		
Date: <u>April 26, 2005</u>																																		
/smt																																		



By **Charles Gorenstein**, #29,271